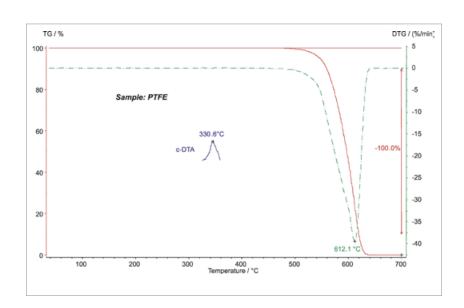
APPLICATION SHEET





PTFE is well-known under the brand name Teflon® which is used as a non-stick coating for pans. Like other fluoropolymers, PTFE has an exceptionally high thermal and thermo-oxidative stability and is completely solvent-resis-

tant, only certain fluorinated solvents dissolving it at temperatures near its melting temperature. It is also useful as a high-temperature and fireresistant electrical insulation material.



Instrument

TG 209 **F3** Tarsus®

Test Conditions

Temperature range
Heating rate 35 ... 700°C
Atmosphere 20 K/min
Sample mass Nitrogen at 20 ml/min

Crucible 9.67 mg Sensor Al₂O₃

Results

Degradation of polyoxymethylene occurred completely at 612°C (peak temperature of the DTG curve). A peak was detected in the calculated DTA (c-DTA®) curve at 330.6°C. It is due to melting of the sample.



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